



Appn. No. 09/015458

(Appnt.: Yufa)

GAU 2877

Amnt. contd. page 2

line 5 change "The remote detecting" to --The sensor--;
line 6 change "environment and the" to --environment, particle detection and--
line 8 change "13." to --13, providing a received data processing, illuminating of the resulting information and also providing a wireless communicating control of the sensor 5--.

In the Drawings:

Accept the proposed drawing correction shown in red ink on the print of Figs.8, 10 in applicant's Request for Approval of Drawing Correction, attached as a separate document to the Amendment from November 10, 1998.

Upon receipt of Examiner's approval and a Notice of Allowability or a Notice of Allowance, a formal drawing, as so corrected, will be filed in this application.

New drawing sheets Figs.1-7, 9 (8 sheets) in Triplicate - 24 sheets for the above application are corrected and submitted by Submission of Corrected Drawings attached as a separate document to the Amendment from November 10, 1998. Please, substitute those for corresponding sheets on file.

In the Specification:

Amend the Specification as follows:

Page 1, line 3, after "airborne" insert --(gas)-- and after "particle" insert --and/or liquid contamination--;

line 9, delete "processing system and/" and change "computers" to --computer--;

Page 2, line 2, change "'Active'" to --Active--.

Page 3, line 2, after "detection" insert --- and delete "and the subsequent detected signal processing";

delete line 3 in its entirety;

delete line 4 in its entirety and insert therefor

—The known devices, having the particle detecting means,--;

line 5, change "can be" to --are--;

line 9, after "lenses" insert ---;

line 15, change "particles in the laser beam" to --- and change "dispersion" to --process--;

line 16, change "scattered light" to --light scattering--.

Page 4, line 1, after "example" insert ---;

line 6, delete "different";

line 8, change "sufficiently high" to --the sufficient--;

✓ line 9, change "ments." to --ments to the particle counting and measuring devices, because of the analog (amplitude) method of comparison.--;

line 11, change "system" to --means-- and change "and control" to --means--;

delete line 12 in its entirety;

line 13, change "system with" to --means to--;

line 14, change "can be" to --are--;

line 15, change "being" to --which is-- and change "containing" to

—comprising--;

line 17, delete "(microprocessor)".

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Page 5, line 1, change "Fag.2" to --Fig.2--;
line 14, change "detected signals and processing information." to --data
processing signals

Page 6, line 1, after "between" insert --the-- and delete "the microprocessor data
processing means";

line 2, delete "(" and delete ")";

line 3, change "analyzers and also the long" to -counting and measuring
devices. Also such- and change "for known" to -in the known particle counting and
measuring devices with the

line 4, change "sensor performance" to --sensors-- and change "means,"
to -instruments. Another known system by U.S. Patent No.4.160.246, intended for the smoke
detection, comprises an infrared radiation source, photodetector, the frequency filters, audio
amplifiers, annunciator driver, a plurality of light-emitting diodes (LED) and a horn or buzzer.

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This device uses a wireless communication (from the smoke detector/transmitter to the re-
ceiver/annunciator). Such smoke detector system does not provide counting and measuring of
the particles in the specimen. Also the device by U.S. Patent No.4.160.246 provides the ana-
log processing of the signals.

line 7, after "airborne" insert --(gas)--;

line 8, change "methods" to --method--;

line 9, change "analyzing means and precision of the complete information."
to --particle counting and measuring apparatus--;

line 10, change "methods" to --method--;

line 11, change "processes." to --processes and means--;

line 12, change "sensors" to --particle detecting means (sensors)--;

line 14, change "methods" to --method--.

Page 7, lines 7, 9 change "apparatus for" to --apparatus--;

lines 8, 10 delete in their entirety;

lines 12, 14, 16 change "apparatus for precise analyzing of environment." to
--apparatus--;

line 18, change "an improved method of the light detected signal processing"
to --a strobing processes--.

Page 8, delete line 3 in its entirety and insert therefor --munication apparatus (complex).--.

Page 10, line 12, change "a voltage-pulse" to --an analog-digital form pulse--;

line 13, change "(VDCM)" to --(ADCM)--.

Page 12, line 5, change "methods" to --method-- and after "communicating" insert
--particle counting and measuring-- and delete "for precise analyzing";

line 6, delete "of environment";

line 8, change "methods" to --method and device-- and change
"environment" to --the particle-- and after "provide" insert --an-- and after "airborne" insert
--(gas)--;

line 11, change "with" to --to--.

Page 13, line 6, delete "The primer processing of the detected signals provides by
timing method.:";

line 7, after "amplified" insert --, converted to the digital pulse form--;

line 11, change "primary" to --initially--;

line 17, delete "comprehensive".

Page 14, line 6, delete "for precise analyzing of";

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line 7, delete "environment (" and delete ")" and after "system" insert
-(sensor)--

Page 16, line 12, delete "an improved method of the";
line 13, delete "environment analyzing, using" and after "the" insert
-signal- and change "detected signal" to -(strobing) digital-;
line 15, delete "light";
line 17, change "a voltage-pulse" to --an analog-digital form pulse--.

Page 17, line 5, change "precise analyzing of environment" to --particle counting
and measuring-- and after "comprises" insert --at least one of a plurality-- and after ")"
insert --of--;
line 6, change "a" to --at least one of a plurality of -- and change
"system 13." to --systems--;
line 9, after "(RDS-n)." insert --A plurality of remote data processing and
control systems is presented on Fig.10 by a single remote data processing and control system
13--.

Page 18 line 5, change "methods" to --apparatus--;
line 10, change "environment" to --particles--;
line 13, change "stages, conditions, regimes and schedule of operation
and/" to --(for example, in E-PROM /not shown/ of the microprocessor means 6--;
line 15, change ", or in E-PROM (not shown) of the microprocessor
means 6;" to --) stages, conditions, regimes and sequence of operations--;
line 16, change "mix." to --combination--.

Page 19, line 7, after "56." insert --The control signal provide, for example,
possibility to switch "on/off", to switch "run/stop", to select and change the particle counting and
measuring channels, to provide the remote sensor diagnostics, to switch the mode (regime)
from particle counting and measuring to particle concentration determination, to select and
change the modes for the particle flow velocity, environmental temperature and/or humidity
determination, etc.--.

Page 20, line 15, after "using" insert --the--;
line 16, after "particles," insert --the scattered light, produced by the
particles intersecting a light (laser) beam, is collected on the light detecting means 67 (for
instance, photodiode) and--;
line 18, after "67" insert --(if the initial signals from the light detecting
means 67 are the current value signals)--;
line 19, delete "I - an output current of the".

Page 21, delete line 1 in its entirety;
line 2, delete "signals,";
line 3, change "principles can be" to --principles it can be --;
line 12, 13 change "voltage-pulse" to --analog-digital form pulse--;
line 18, after "within" insert --the-- and change "is meaning" to
--means--.

Page 22, line 3, change "The longer strobe pulse package (the bigger" to
-The more strobe pulses within a strobe pulse package (the larger--;
line 10, change "Also" to --Further--.

Page 24, line 14, delete "real";
line 15, after "creating" insert --in the known prior art-- and after "wire"
insert --(electrical cable)-- and change "system with the microproces-" to --means to--;

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